Table I-3
Comparison of Soil Series Found in the Watershed (USDA, SCS Soil Survey of Lancaster County, NE)

Property		Soil Series						
		Sharpsburg	**Pawnee**	**Judson**	**Wymore**	**Crete**	**Morrill**	**Salmo**
Parent Material		Formed in loess	Formed in glacial till	Formed in non-calcareous colluvial silty sediment from uplands	Formed in loess	Formed in loess	Formed in till or outwash or retreating glaciers	Formed in silty alluvium
Drainage		Moderately well drained	Moderately well drained on uplands, slow permeability	Moderately well drained on colluvial foot slopes, moderate permeability	Moderately well drained on uplands, slow permeability	Moderately well drained on uplands and stream terraces	Deep well drained upland soils, moderate slow permeability	Deep, poorly drained on bottom lands, slow permeability
Surface Layer		Very dark brown friable silty clay loam	Very dark brown clay loam, very dark grayish brown, weak fine granular structure, slightly hard	Very dark brown silt loam; weak fine granular structure; slightly hard, friable: medium acid	Very dark brown silty clay loam, weak fine granular structure, hard	Black silt loam weak fine granular structure; slightly hard, friable; medium acid	Dark brown, friable clay loam	Black to very dark gray silty clay loam; weak medium subangular blocky structure; hard, friable; slight effervescence; 0.31% soluble salts, mildly alkaline
Subsoil	**Upper**	Dark brown, firm silty clay	Very dark grayish brown clay, moderate fine and medium subangular blocky structure	Dark brown silty clay loam; moderate medium prismatic structure; hard, firm; medium acid	Dark brown silty clay, moderate fine and medium subgranular blocky structure, hard	Very dark grayish brown silty clay; moderate medium prismatic structure; slightly hard, friable; medium acid	Dark reddish brown clay loam; weak fine angular structure; slightly hard, friable; medium acid	Very dark gray silty clay loam, weak medium granular structure, hard, friable; 0.16% soluble salts, mildly alkaline
	Middle	Brown firm silty clay	Dark grayish, moderate medium prismatic structure, very hard	Dark brown silty clay loam; weak medium prismatic structure; medium acid	Dark grayish brown silty clay, moderate medium prismatic structure, hard	Dark grayish brown silty clay; strong medium prismatic structure; very hard, very firm; neutral	reddish brown clay loam; moderate medium subangular; hard, firm; medium acid	Black silty clay loam; weak, medium subangular structure; hard, friable, slight effervescence; 0.16% soluble salts, mildly alkaline
	Lower	Yellowish brown, firm or friable silty clay loam	Olive brown clay, moderate medium prismatic structure, very hard	Brown silty clay loam; massive; slightly hard, friable; slightly acid	Olive brown silty clay loam, weak medium prismatic structure, hard	Grayish brown silty clay; weak coarse prismatic structure; slightly hard, friable; small lime concretions, mildly alkaline	brown clay loam, weak medium prismatic structure; slightly hard, friable; slightly acid	Very dark gray silty clay loam; few fine distinct dark yellow brown mottles; massive, hard, friable; strong effervescence; 0.18% soluble salts; mildly alkaline
Underlying Material		Light yellowish brown silty clay loam	Olive clay loam, weak coarse prismatic structure, slightly hard	Silty clay loam, dark grayish brown with yellow brown mottles	Olive gray silty clay loam, slightly hard	Brown clay loam	Brown to reddish brown clay loam	Dark grayish brown silt loam, generally calcareous